

PATENT ATTORNEY DOCKET NO. **046124-5271**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| In re Application of: |) |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Tadataka EDAMURA |) Confirmation No.: 3944 |
| Application No.: 10/776,615 |) Group Art Unit: 2828 |
| Filed: 02/12/04 |) Examiner: Harvey, Minsun Oh |
| Title: Quantum cascade laser |) |
| Commissioner for Patents Alexandria, VA 22314 | |
| Sir: | |
| | OF ORIGINAL POWER OF ATTORNEY W POWER OF ATTORNEY |
| Enclosed is a copy of the Revocation of | of Original Power of Attorney and Grant of New |
| Power of Attorney by the Assignee. | |
| If there is any fee due in connection w | rith the filing of this paper, please charge the fee to |
| our Deposit Account No. 50-0573. | · |
| | Respectfully submitted, |
| | DRINKER, BIDDLE & REATH LLP |
| Dated: August 5, 2005 | By: Peter J. Sistare Registration No. 48,183 |
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assignee: HAMAMATSU PHOTONICS K.K.

Commissioner for Patents Washington, D.C. 20231

REVOCATION AND NEW POWER OF ATTORNEY

Under 37 CFR §3.73(b), HAMAMATSU PHOTONICS K.K., a Japanese corporation, certifies that it is the assignee of 100% of the right, title and interest in the patent applications and issued patents identified in the following chart by virtue of respective Assignment documents for each listed application and patent from the inventor(s) to HAMAMATSU PHOTONICS K.K. submitted to the U.S. Patent and Trademark Office. The dates on which the assignments were submitted and the reel/frame numbers at which the assignments were recorded are indicated in the chart below.

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| 06/05/01 | 046124-5082 | 09/873,352 | 6,674,083 | 01/06/04 | 11/14/01; 012307/0461 |
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| 04/27/01 | 046124-5063 | 09/842,831 | 6,563,264 | 05/13/03 | 04/27/01; 011761/0452 |
| 03/19/04 | 046124-5283 | 10/804,193 | | | 07/29/04; 015640/0537 |

The undersigned has reviewed all documents in the chain of title of the patent applications and patents identified above and, to the best of the undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

Acting on behalf of the assignee, the undersigned hereby revokes all powers of attorney previously granted in these applications and patents and appoints:

Customer Number 023973
DRINKER BIDDLE & REATH LLP
One Logan Square
18th and Cherry Streets
Philadelphia, PA 19103-6996

Page

: 7

with full power of substitution and revocation, to prosecute the applications and to transact all business in the United States Patent and Trademark Office connected with these patent applications and issued patents.

All correspondence regarding these applications should be sent to JOHN SMITH at:

Customer Number 023973 DRINKER BIDDLE & REATH LLP One Logan Square 18th and Cherry Streets Philadelphia, PA 19103-6996

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the patents, applications or any patents issued on the applications.

Respectfully submitted,

Date: July, 6, 2005

(Signature) Akira UTSUYAMA

Title: Group Manager

Technology & Information Management Division

Patent Group

HAMAMATSU PHOTONICS K.K.



N THE UNITED STATES PATENT AND TRADEMARK OFFICE

| In re Application of: | |
|------------------------------|-------------------------------|
| Tadataka EDAMURA |) Confirmation No.: 3944 |
| Application No.: 10/776,615 |) Group Art Unit: 2828 |
| Filed: 02/12/04 |) Examiner: Harvey, Minsun Oh |
| Title: Quantum cascade laser | |
| Commissioner for Patents | |

Sir:

CHANGE OF CORRESPONDENCE ADDRESS

Please enter the correspondence address of this application as:

Customer Number 55694

A new power of attorney appointing the undersigned is being filed concurrently herewith. If there is any fee due in connection with the filing of this paper, please charge the fee to our Deposit Account No. 50-0573.

Respectfully submitted,

DRINKER, BIDDLE & REATH LLP

Dated: August 5, 2005

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By:

Peter J. Sistare

Registration No. 48,183

CUSTOMER NO. 055694 DRINKER, BIDDLE & REATH LLP

1500 K Street, N.W., Suite 1100 Washington, D.C. 20005-1209

U.S. Patent and Trademark Office

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